<<<<<<< **Unit 2 Biochemistry Octahedron Activity** >>>>>>>

Due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_@ beginning of class!!

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| **Side 1:** | Names, Block, & Due Date | |
| **Side 2:** | *Enzymes* | * Draw and label a graph showing enzyme activity vs. non-enzyme activity (2 different colors) * Explain how enzymes speed up chemical reactions. |
| **Side 3:** | *Enzymes* | * Draw and label an enzyme, substrate, & active site * List 3 things that affect the function of enzymes |
| **Side 4:** | *Lipids* | * List the monomer, functions, & examples of lipids and food sources * Draw a picture of the chemical structure |
| **Side 5:** | *Proteins* | * List the monomer, functions, & examples of proteins and food sources * Draw a picture of the chemical structure |
| **Side 6:** | *Carbohydrates* | * List the monomer, functions, & examples of carbohydrates and food sources * Draw a picture of the chemical structure |
| **Side 7:** | *Nucleic acids* | * List the monomer, functions, & examples of nucleic acids * Draw a picture of DNA & RNA |
| **Side 8:** | *pH* | * List the range of the pH scale * Label the acids, bases, and neutral on the scale * Label the distribution of H+ and OH- ions on the scale |

**Grading: 50 points total**

* 42 points for octahedron contents (6 points each side 2-8)
* 8 points creativity, neatness, colored *AND* reflects strong effort

**Deduction:** -10% off EACH DAY LATE (MUST be assembled BEFORE you walk in on the due date)